

## ARG10400 anti-MPO / Myeloperoxidase antibody [18B7]

Package: 100 µg, 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [18B7] recognizes MPO / Myeloperoxidase
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	18B7
Isotype	IgG1
Target Name	MPO / Myeloperoxidase
Antigen Species	Human
Immunogen	purified human MPO
Conjugation	Un-conjugated
Alternate Names	MPO; Myeloperoxidase; EC 1.11.2.2

### Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Purification	Protein A affinity purified.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

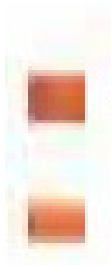
### Bioinformation

Database links	<a href="#">GeneID: 4353 Human</a> <a href="#">Swiss-port # P05164 Human</a>
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Gene Symbol	MPO
Gene Full Name	myeloperoxidase
Background	Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]
Function	Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity. [UniProt]
Resrarch Area	Cancer antibody; Cell Biology and Cellular Response antibody; Immune System antibody; Metabolism antibody

## Images

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ARG10400 anti-MPO / Myeloperoxidase antibody [18B7] WB image

Western blot: MPO stained with ARG10400 anti-MPO / Myeloperoxidase antibody [18B7] in Western blotting after gel electrophoresis under reducing conditions.